


09-22-05

IFU 2661

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)			Docket No. 15689.61	
Applicant(s): Yukihiro Okumura et al.				
Application No. 09/701,705	Filing Date December 1, 2005	SEP 21 2005 Examiner Quabuddin Ghulamali	Customer No. 022913	Group Art Unit 2661
Invention: CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND FADING FREQUENCY DECISION DEVICE AND METHOD				
<p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; height: 60px; width: 100%;"></div> <p>(see below)</p> <p style="text-align: center;">(Identify type of correspondence)</p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on</p> <p style="text-align: center;"><u>September 21, 2005</u> (Date)</p> <p style="text-align: right;"><u>Adrian J. Lee</u> (Typed or Printed Name of Person Mailing Correspondence)</p> <p style="text-align: right;"> (Signature of Person Mailing Correspondence)</p> <p style="text-align: right;"><u>EV 661145257 US</u> ("Express Mail" Mailing Label Number)</p>				
<p style="text-align: center;">Note: Each paper must have its own certificate of mailing.</p>				
<p>Transmittal for Information Disclosure Statement (2 pages; duplicate); Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages); Form PTO-1449 Listing of References (2 page); Legible Copy of References; (10 references) Certificate of Express Mail (EV661145257US); Acknowledgment Postcard</p>				

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) and 1.97(c))

Docket No.

15689.61

In Re Application Of: Yukihiro Okumura et al.

SEP 21 2005

Application No.

09/701,705

Filing Date

December 1, 2000

Examiner

Unknown

Customer No.

022913

Group Art Unit

2661

Confirmation No.

Unknown

Title: CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND

Address to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
15689.61

In Re Application of: **Yukihiko Okumura et al.**

Application No. 09/701,705	Filing Date December 1, 2000	Examiner Unknown	Customer No. 022913	Group Art Unit 2661	Confirmation No. Unknown
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Title: **CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached. **23-3178**
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. _____ as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on

(Date)

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Certificate

***This certificate may only be used if paying by deposit account.**


Signature

Dated: **September 21, 2005**

Adrian J. Lee

CC:



PATENT APPLICATION
Docket No: 15689.61

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Yukihiko OKUMURA et al.

Serial No.: 09/701,705

Filing Date: December 1, 2000

For: CHANNEL ESTIMATION DEVICE AND
METHOD, DEMODULATION DEVICE AND
METHOD, AND FADING FREQUENCY
DECISION DEVICE AND METHOD

Customer No.: 022913

Art Unit
2661

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which

the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

In accordance with 37 C.F.R. § 1.98(a)(3), the following concise explanation of the relevance of each listed reference that is not in the English language and unaccompanied by a translation into English is provided. The concise explanation for Japanese Publication No.: 2000-049662 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 10-190625 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 08-265184 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 07-162361 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 07-162360 is provided in the English abstract of that publication. The concise explanation for Japanese Publication No.: 11-068698 is provided in the English abstract of that publication.

DATED September 21, 2005.

Respectfully submitted,



Adrian J. Lee
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 15689.61		Application Number 09/701,705	
				Applicant(s) Yukihiko Okumura et al.			
				Filing Date December 1, 2000		Group Art Unit 2661	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	1	11-068698	3/9/1999	Japan	H04J13	00	✓	
	2	07-162360	6/23/1995	Japan	H04B7	26	✓	
	3	07-162361	6/23/1995	Japan	H04B7	26	✓	
	4	08-265184	10/11/1996	Japan	H04B1	10	✓	
	5	10-190625	7/21/1998	Japan	H04J13	04	✓	

OTHER DOCUMENTS			(Including Author, Title, Date, Pertinent Pages, Etc.)
6		EVALUATION OF THE RADIO CHANNEL ESTIMATION BASED ON THE LEAST SQUARES METHOD Yashuharu Amezawa, Shinishi Sato, and Takao Suzuki	
7		EXPERIMENTS ON PILOT SYMBOL-ASSISTED COHERENT RAKE RECEIVER FOR W-CDMA MOBILE RADIO H. Andoh, K. Higuchi, K. Okawa, M. Sawahashi, and F. Adachi page 59-65(1998-04)	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION <small>(Use several sheets if necessary)</small>				ATTY DOCKET NO. 15689.61		APPLICATION NO. 09/701,705		
				APPLICANT(S) Yukihiko Okumura et al.				
				FILING DATE December 1, 2000		GROUP ART UNIT 2661		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
8		2000-049662	2/18/2000	Japan	H04B1	707	✓	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
		9	Official Notice of Rejection Patent Application No.: 2003-277907 Case No.: DCMH150269					
		10	Official Notice of Rejection Patent Application No.: 2003-277908 Case No.: DCMH150270					
EXAMINER				DATE CONSIDERED				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								